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# Improving Online Learning with Learning Analytics

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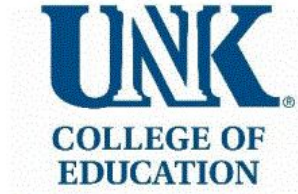
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# Improving Online Learning with Learning Analytics



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# Personal Story

**How learning analytics saved me  
in my first year at UNK.**

# What Can We Collect/See as Online Instructors?

1. Students' login time
2. Students' rates of participation in specific activities

# What Can We Collect/See as Online Instructors?

- 3. Amount of time spent interacting with online resources or with other students
- 4. Students' academic performances



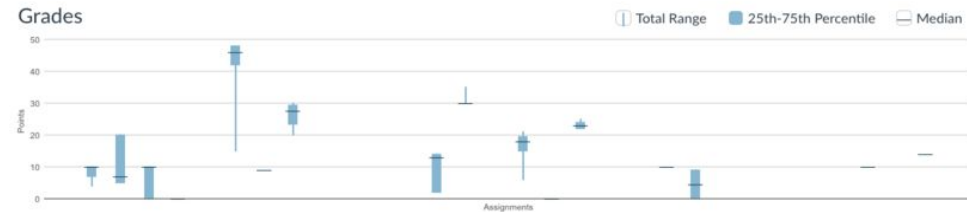
## Activity by Date



## Submissions



## Grades



Student ▾	Page Views ▾	Participations ▾	Submissions	On Time	Late	Missing	Current Score ▾
Emily Boone	72	8	30	12	3	3	86.21%
Jessica Doe	13	4	30	4	1	6	97.2%
Max Johnson	29	6	30	6	1	5	93.87%
Bruce Jones			30	0	0	8	51.88%

- 1. Activity** allows the instructor to see when students view a page or participate in the course.
- 2. Submissions** allows the instructor to view if students submit the assignment on-time, late, or not at all.
- 3. Grades** use a box and whisker plot to show the distribution of grades in the course.
- 4. Student Analytics** shows page view, participations, assignments, and current score for every student in the course.

*Reference: Retrieved from <https://community.canvaslms.com/docs/DOC-10299>*

# Still Hungry for Data?

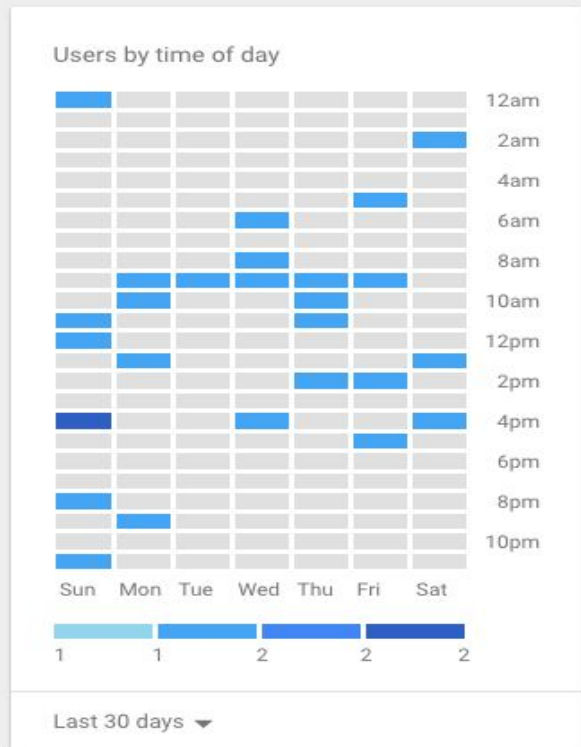
## Google Analytics

1. Location
2. Devices
3. Course page navigation

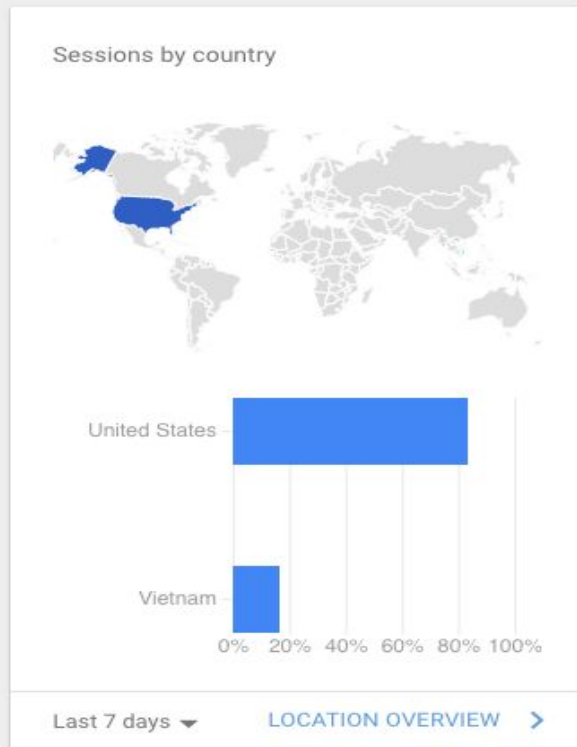


# Google Analytics

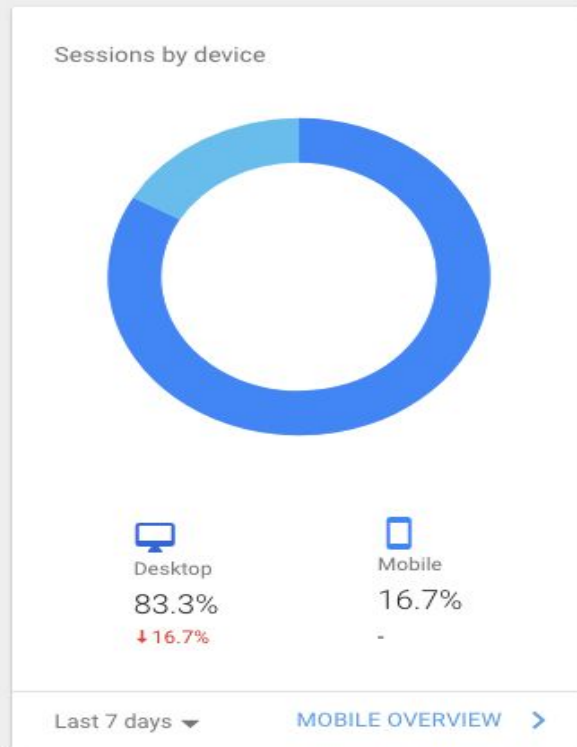
When do your users visit?



Where are your users?



What are your top devices?



# What Can We Do with this Data?

1. Describe and diagnose students' learning performances
2. Predict students' learning performances

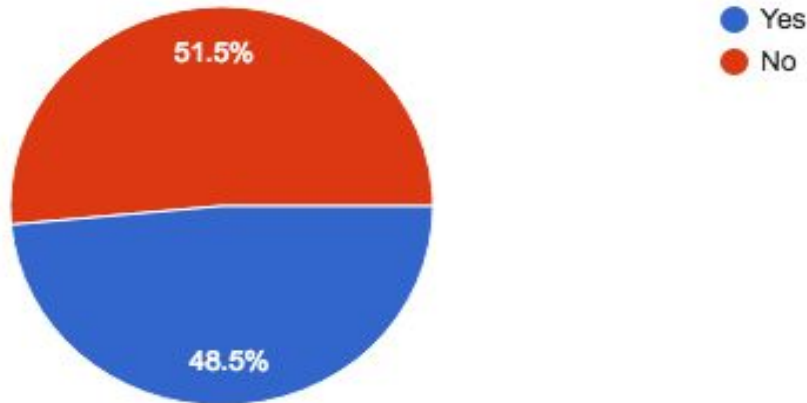
# What Can We Do with those Data?

4. Make data-driven instructional decisions
5. Do research with your own available data

# Students' Perspectives on the Issue of Privacy

Are you aware that most of your learning behaviors in your online courses such as login frequency, visit history ...tored and recorded by your instructors?

202 responses

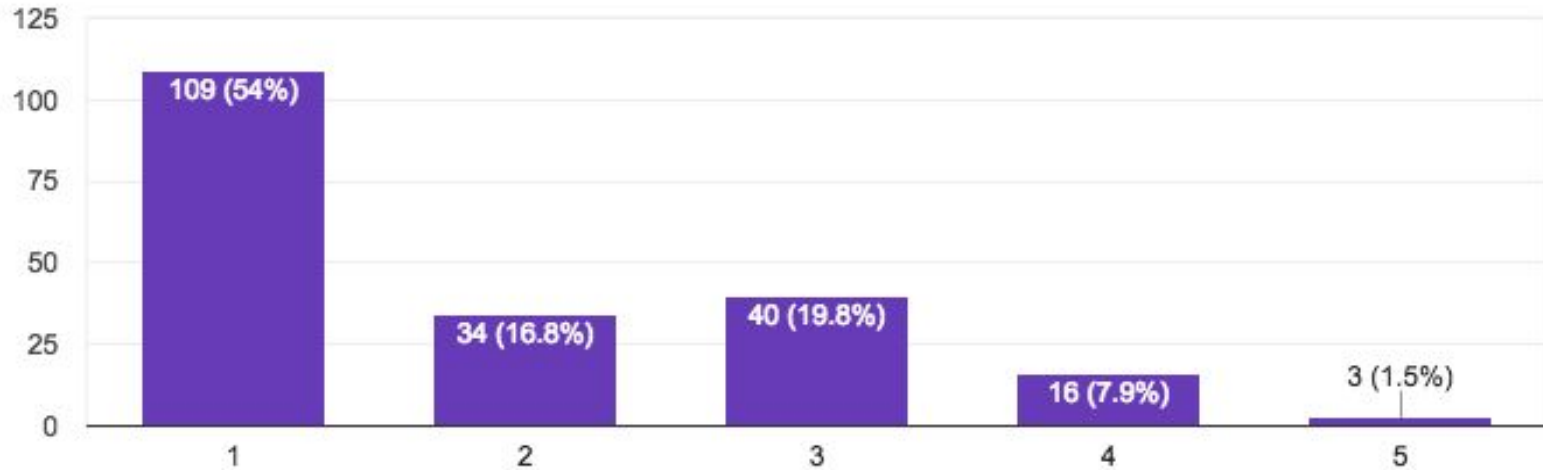


*Data from a recent survey with graduate students in the College of Education at UNK*

# Students' Perspectives on the Issue of Privacy

Are you concerned about the fact that most of your learning behaviors in your online courses such as login frequency and recorded by your instructors?

202 responses

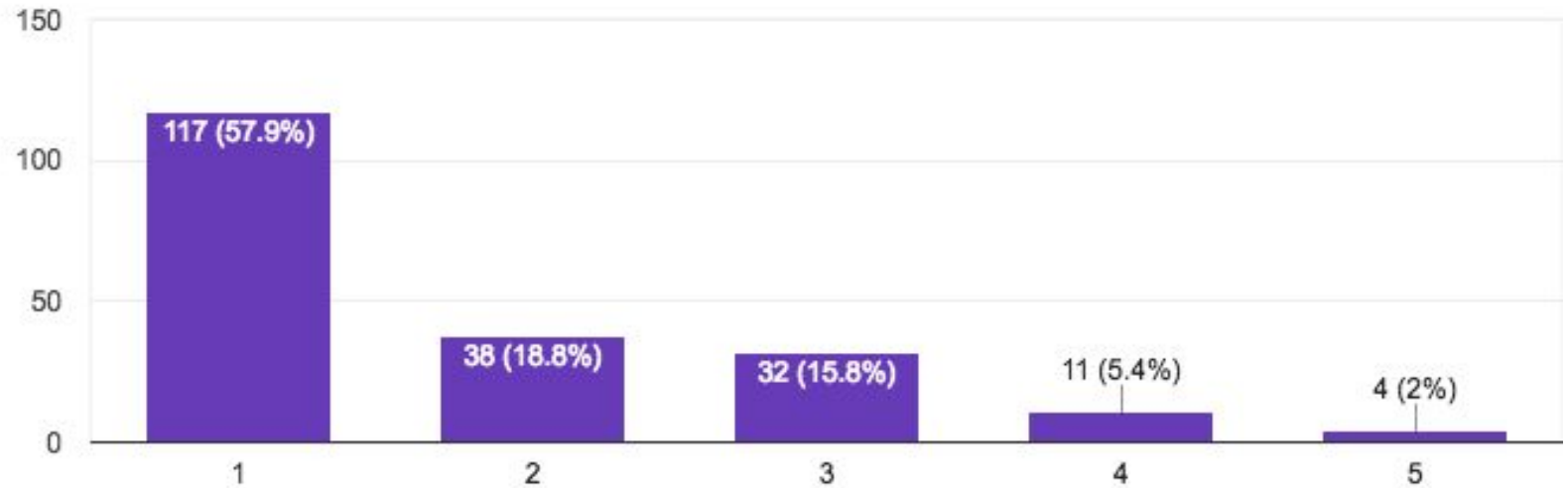


*Data from a recent survey with graduate students in the College of Education at UNK*

# Students' Perspectives on the Issue of Privacy

Are you concerned if your instructors collect your learning data in your online courses such as login time...et...tc) for academic or research purposes?

202 responses

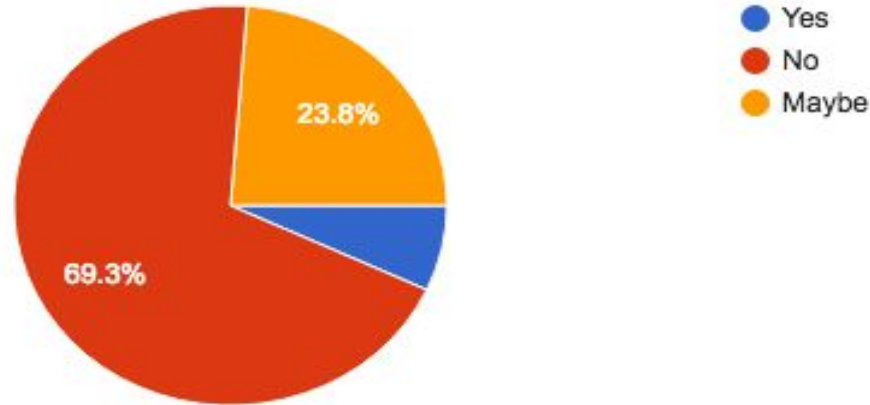


*Data from a recent survey with graduate students in the College of Education at UNK*

# Students' Perspectives on the Issue of Privacy

Do you think your privacy is violated in the online learning environment because the instructors can track, reco...ur learning behaviors in their courses?

202 responses



*Data from a recent survey with graduate students in the College of Education at UNK*

**Questions?**

**Thank you!**